

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTONA NEW SPECIES OF CAPRELLID (CRUSTACEA:
AMPHIPODA) FROM OREGON

BY JOHN C. MCCAIN

Smithsonian Oceanographic Sorting Center, Washington, D.C.

In my paper on the Caprellidae of the Western North Atlantic (1968, p. 52) I discussed the species then known to be associated with echinoderms. Four species were listed which had been found clinging to sea stars. A fifth, belonging to an undescribed species, was brought to my attention by Irwin Polls and Dennis S. Greenley of Oregon State University. This species is herein described as new and named in honor of one of the collectors of the holotype.

Caprella greenleyi new species

Figure 1

Material examined: Oregon, Boiler Bay, collected by Irwin Polls and Dennis S. Greenley, intertidal from the starfish *Henricia leviuscula*, 1 ♂ holotype USNM 123523, 1 ovig. ♀ allotype USNM 123524, 1 ♀ paratype USNM 123525.

Description: Male holotype: Body and appendages robust and covered with microtubercles, pereonites 3 and 4 with anteriorly directed pleural projections. Length 2.7 mm.

Antenna 1 approximately length of pereonites 1 and 2, flagellum uniaarticulate. Antenna 2 slightly shorter than antenna 1, flagellum uniaarticulate.

Mouthparts typical of *Caprella* (McCain, 1968, p. 18).

Gnathopod 1 typical of genus, grasping margin of dactylus and propodus serrate, propodus with 2 proximal grasping spines. Propodus of gnathopod 2 broad, approximately 2/3 as wide as long, grasping margin with 2 proximal grasping spines and medial notch; dactylus massive and scimitar-shaped.

Propodus of pereopods 5-7 with 2 proximal grasping spines.

Abdomen typical of genus.

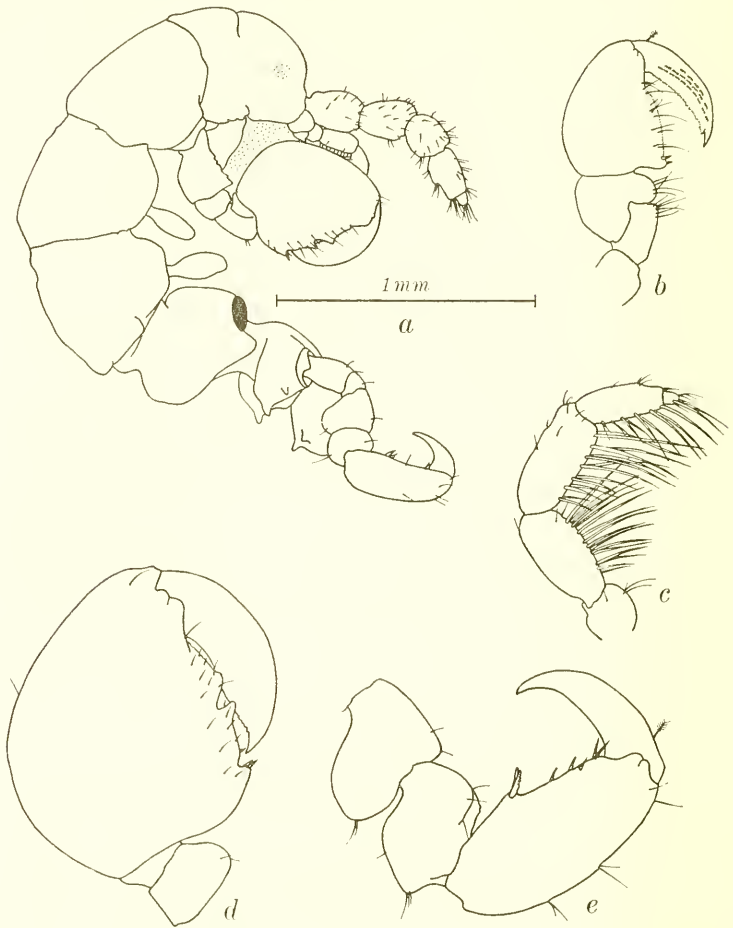


FIGURE 1. *Caprella greenleyi* new species. Male holotype: *a*, lateral view; *b*, gnathopod 1; *c*, antenna 2; *d*, gnathopod 2; *e*, pereopod 7.

Remarks:

This species can be distinguished from the other species of *Caprella* due to its small size, 2.7 to 3.6 mm, and the large broad propodus of gnathopod 2 with a massive, scimitar-shaped dactylus.

The male holotype and an ovigerous female of 3.6 mm were found clinging to a specimen of *Henricia leviuscula* which measured 6 cm from disk to arm tip. The female paratype measured 3.5 mm and was collected from a smaller *Henricia* of 1.6 cm. The caprellids were noticed

after the sea stars were returned to the Yaquina Marine Biological Laboratory where they were held in tanks for study. A field examination of numerous specimens of *Henricia* failed to yield any other specimens of *C. greenleyi*.

LITERATURE CITED

- MCCAIN, JOHN C. 1968. The Caprellidae (Crustacea: Amphipoda) of the western North Atlantic. Bull. United States Nat. Mus., vol. 278, pp. vi + 147, 56 figs.